State of California Regional Water Quality Control Board San Diego Region

> EXECUTIVE OFFICER SUMMARY REPORT August 10, 2005

ITEM: 8

SUBJECT: Revision of Master Reclamation Permit with Waste Discharge

Requirements: Olivenhain Municipal Water District, 4-S Ranch Wastewater Treatment Plant, San Diego County (Tentative Addendum No. 2 to Order No. R9-2003-0007) (*Brian Kelley*)

PURPOSE: To adopt amended waste discharge requirements for the

production, use, and purveyance of tertiary recycled water from the expanded and upgraded 4-S Ranch Wastewater Treatment

Plant.

PUBLIC NOTICE: The August 10, 2005 Regional Board meeting agenda notice

that was sent on July 29, 2005 served as the required 10-day official public notification for this action. The draft Tentative Addendum No. 2 was mailed to the discharger and all known interested parties and agencies for review and comment by letter dated June 15, 2005. Copies of the draft Tentative Addendum No. 2 have been made available for public review at the San

Diego Regional Water Quality Control Board office.

DISCUSSION: If adopted, Tentative Addendum No. 2 would amend the master

reclamation permit for Olivenhain Municipal Water District 4-S Ranch Wastewater Treatment Plant for the use of an upgraded disinfection method from chlorine disinfection to ultraviolet (UV) light irradiation disinfection. The Regional Board

received recommendation from California Department of Health Services (DHS) on May 31, 2005, approving the use of UV disinfection at the facility for the production of tertiary recycled

water, in accordance with California Code of Regulations Title 22, Division 4, Chapter 3, *Water Recycling Criteria*. Pursuant to California Water Code Sections 13523 and 13523.1, the

Regional Board shall prescribe water reclamation requirements

for recycled water in the master reclamation permit.

Comments on the tentative addendum were received from the Department of Health Services by email and have been incorporated into the original draft as a redline strikeout version (enclosed). This version of the tentative addendum was sent to all interested parties by letter dated July 28, 2005. The discharger has indicated their concurrence with the proposed language changes.

KEY ISSUES:

- 1. The UV disinfection system meets the prescribed water recycling criteria of the California Code of Regulations Title 22, Division 4, Chapter 3, as approved by DHS.
- 2. The Regional Board shall, after receiving recommendations from DHS, prescribe water reclamation requirements for recycled water in the master reclamation permit.

LEGAL CONCERNS: None.

SUPPORTING DOCS: 1. Site Map

- 2. Tentative Addendum No. 2 to Order No. R9-2003-0007 with transmittal letter dated June 15, 2005
- 3. Revised redline/strikeout Addendum No. 2 with transmittal letter dated July 29, 2005

SIGNIFICANT CHANGES:

Tentative Addendum No. 2 to Order No. R9-2003-0007 would permit and regulate the use of UV disinfection system at the facility for the production of tertiary recycled water.

COMPIANCE RECORD:

The 4-S Ranch Wastewater Treatment Plant has been in compliance with its current Order and addenda thereto with the exception of occasional exceedances of prescribed coliform effluent limits and rare TDS effluent limit violations.

RECOMMENDATION:

The adoption of the revised tentative Addendum No. 2 to Order No. R9-2003-0007 is recommended.